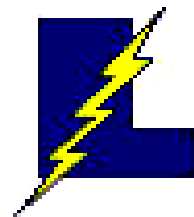


Loup Power District Creston Ridge Wind Farm

Nebraska Wind/Solar Conference
November 14, 2017



Serving You Electrically
LOUP POWER DISTRICT

Early Discussions

- Talks with Bluestem Energy Solutions
 - Early 2014
 - Idea for a wind farm
 - Bluestem - redeveloped the Springview wind turbines for NPPD
- Ability within NPPD wholesale rate structure/contract to take 3% of peak demand from a behind the meter renewable resource (has since been increased to 10%)
- One NPPD wholesale customer had moved forward
- District Board skeptical at first

PPA Development

- Development Agreement with Bluestem
 - No commitment from District
 - Paid certain basic development costs if project did not proceed
- After investigation, Bluestem offered PPA
 - Pricing fixed for 25 years
 - Competitive with NPPD's wholesale pricing
 - Economics are dependent upon output coinciding with District's peak demand times and NPPD wholesale price escalation

Additional Agreements

- Negotiated both a PPA and a GIA
 - Entered into in early 2015
 - No additional costs to the District
 - Bluestem responsible for interconnect with District facilities at the 34.5kV level
 - Take all power generated from wind farm at the price included in agreement. Only energy pricing

Interconnection

- Interconnected with District's 34.5kV system
 - Needed to find location where generation would not feed back into NPPD transmission system.
 - Criteria required by NPPD and the SPP.
 - Located near Creston, NE, approximately 15-20 miles north of Columbus.
 - Was not the number one site, but met criteria needs

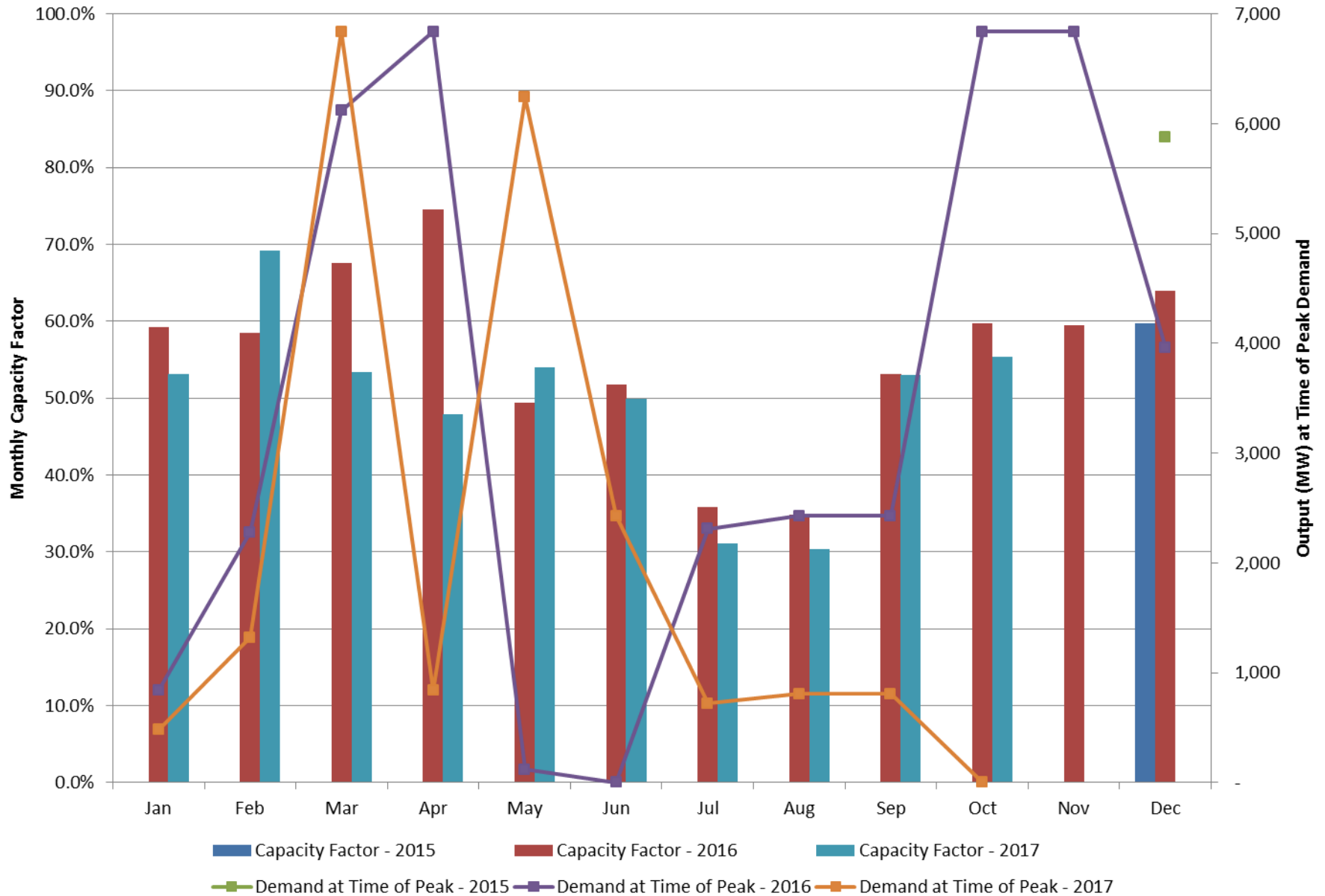
Creston Ridge I Wind Farm

- Phase 1
 - 4 turbines and towers
 - Each rated at 1.7MW each/total of 6.8 MW
 - Commercial operation = December 5, 2015





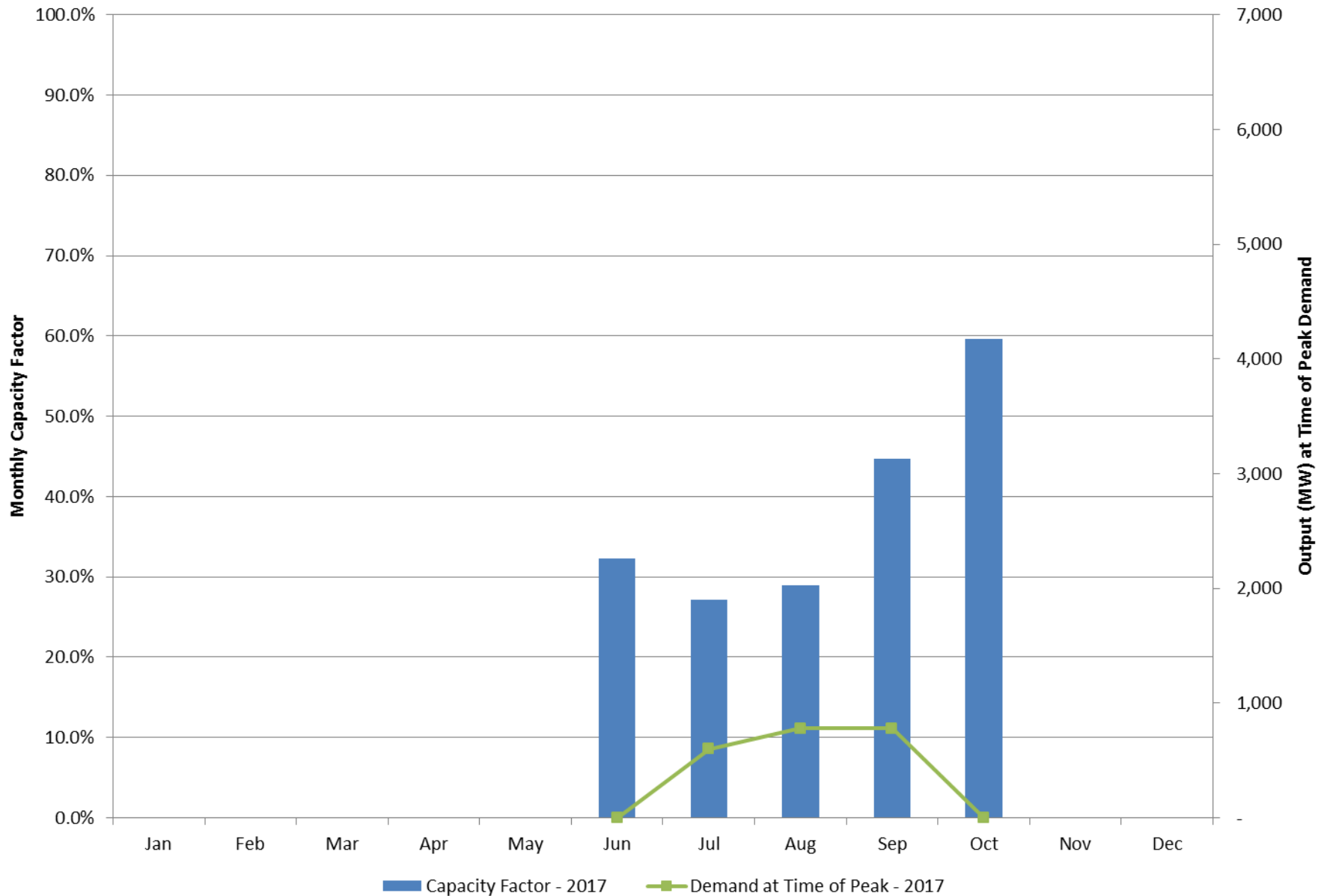
Creston Ridge I Wind Farm Monthly Data



Creston Ridge II Wind Farm

- Phase 2
 - 3 turbines and towers
 - Each rated at 2.3MW each/total of 6.9 MW
 - Commercial operation = June 21, 2017

Creston Ridge II Wind Farm Monthly Data



Questions???